



# NITE-TIMES NEWS

## CHICAGO AREA TIMEX USERS GROUP

Chicago Area Timex Users Group  
Volume 9, Number 2

Downers Grove, Illinois  
March/April 1995

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### C.A.T.U.G. CLUB OFFICERS

Here is the list of 1995 club officers and how to contact them. Our club has three strong SIGS, TS2068, Z88 and QL. If you have questions about either of these fine machines, or even the ZX81/TS1000/TS1500, call one of the officers. C=312, S=708.

POSITION	NAME	PHONE	PRIMARY FUNCTION
President	Nazir Pashtoon	S439-1679	The buck stops here...
Vice-President	Steve Cooper	S968-3553	Meeting Planning, etc.
Secretary	Larry Sauter	C763-5383	Records and Reporting
Treasurer	Phil Kwitkowski	S584-6710	Dues and Purchasing
Editor	Bob Swoger	S576-8068	Newsletter, BBS, etc.

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**NITE-TIMES NEWS**

## Nite-Times Information

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The **Nite-Times News** is the newsletter of the Chicago Area Timex Users Group. For an annual fee of \$12.00 you can become a CATUG member and receive six newsletters each year. Write your check payable to:

**PHIL KWITKOWSKI  
2106 DOVER LN  
ST CHARLES IL 60174**

The Chicago Area Timex Users Group is pleased to exchange newsletters with other Timex and Sinclair supporting user groups at no charge. Send all newsletter requests to:

**CATUG EDITOR BOB SWOGER  
613 PARKSIDE CIRCLE  
STREAMWOOD IL 60107-1647**

If you desire to reprint any articles that appear here, please provide credit to the author and this newsletter.

We encourage your user group to copy this newsletter and distribute it at your regular meetings to your members free of any charge as we believe that this will encourage better meeting attendance. If you are a user group that feels as we do, please let us know in your newsletter so that we might do this for our members and keep our attendance up.

Articles originating from our group may be downloaded from our BBS and reprinted.

### CONTRIBUTORS TO THIS ISSUE

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**Les Cottrell  
Jeff DeCourtney  
John Donaldson  
Marie Kendall  
Larry Sauter  
Bob Swoger, K9WVY**

### CLUB MEETINGS

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The Chicago Area Timex Users Group meets on the THIRD Saturday of each month at the home of our Editor, Bob Swoger, from 1:00 to 5:00 PM. Bob's

home is located at 613 Parkside Circle in Streamwood, Illinois near Elgin. Bob should always be contacted evenings at 708/837-7957 to confirm the meeting schedule.

### TREASURY NOTES

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The balance as of May 1, 1995 is \$495.20 Our current paid membership stands at 19.

Phil Kwitkowski, Treasurer  
Chicago Area Timex Users Group

### SECRETARY'S NotePad

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**MARCH 18, 1995**

Members present: Abed Kahale, Cy Herre, Phillip Kwitkowski, Jeff DeCourtney, Bob Swoger, Nazir Pashtoon, Larry Sauter, and Bobby Muth.

Meeting began at 2:15 P.M. Gary Lessenberry has some half height disk drives for sale and Phil Kwitkowski is going to purchase all three of them. Phillip also has a RAM disk courtesy of Joan Kealy and he is happy with it. He wished for a color monitor and now he has three. Joan now has a couple of years of Update! as a gift from Phil in return. After seeing the 2068 on the monitor, Phil says the 2068 needs to be adjusted and Nazir suggested that for about \$2.00 he could go RGB and everything will be a whole lot better.

Bob Swoger has been programming a screen dump program that is rather unique and beautiful in that it produced a very large picture of Brooke Shields printed on an EPSON MX-80 printer that the manual says will not print graphics. It took approximately 20 to 30 minutes to print and 2 or 3 hours to program. Bob knew he had it right when it started to write giant letters from the program listing during LPRINT. If Abed can transform it into machine code, it won't take so

long to print a picture as it now does. Bob has finished the software for LogiCall version 6.0 and he is working on the manual for its use. It will be available at RMG and Mechanical Affinity for \$15.00 just before the Dayton ComputerFest.

Tasword Two for LogiCall V6.0 will save and load from tape whereas before it would load only.

Don Lambert sent Nazir some Zebra controllers that were intermittent and Nazir was finally able to repair them since they would work if placed on their side and would fail to work when placed upright.

The last newsletter from LIST brought up the fact that all current computers in existence with a clock and calendar on board will have a hard time when the year reaches 2000 because there has been no provision for changing from 19 to 20 in the computer calendar. That doesn't apply to the Timex TS2068 because it has no clock or calendar. Sinclair ZX machines win again!

Jeff DeCourtney is moving to New Mexico because his folks are moving there to Albuquerque on the North East side. We wish him good luck in getting a new job there and settling down there.

Bob got Print Factory and was disappointed that he could not produce all the great looking pictures that TTSUC could do. He thinks that a bunch of files are missing. Can any of our readers supply Bob with a list of the files that should be included with the Print Factory product? Sync Link used the Print Factory to produce the beautiful covers on their newsletters.

The meeting was adjourned at 3:43 P.M.

April 22, 1995

Members present: Bob Swoger, Nazir Pashtoon, Jeff Decourtney, John Donaldson, Larry Sauter, Abed Kahale and Phillip Kwitkowski.

Bob received a letter from Mr. Paul Holmgren with a check enclosed for the T/SNUG portion of the SNUG assets and a list of names to give the people a choice of a subscription to ZXir QLive Alive! publication, if that be their wishes. Our heartfelt thanks to Mr. Holmgren.

Bob helped a Marie Kendall with a problem she was having and it was solved very easily. She was having a problem with her taxes on VU CALC and her large printer which wouldn't print in vertical, but would print horizontally. Bob dropped her a note telling her to use VU CALC to Tasword to print out the data and it worked for her very nicely. Bob also included a new LarKen instruction manual that is very nicely laid out.

John McMichael from Wyoming has some video digitizer boards and some video cameras and color to gray scale converters to facilitate printing stored video from TV and camcorders to a storage spot on the 2068 to be printed on the large printer.

The meeting was adjourned at 4:08 P.M.

Larry Sauter, Acting Secretary  
Chicago Area Timex Users Group

## INPUT/OUTPUT

-----  
Les Cottrell writes: I am enjoying the big keyboard on my TS2068. I have used my son's color ink jet to make key legends, but I haven't finished the mask yet. Function first, then pretty!

Les Cottrell  
108 River Heights Drive  
Cocoa, FL 32922-6630

## GATOR's TWISTED PAIR

!!!! MMCC BBS !!!!  
We have a 24 hour BBS and encourage you to exchange mail and contribute to the Download Section.

Arlington Heights 708-532-5558  
Palatine 708-576-7072

Call and Register using your first name, last name and phone number along with a password you won't forget, and WRITE IT DOWN! Do not try to do anything else this first time because all the board options will be locked out.

When you call in the next day, you will have Level 5 security and be able to enjoy full user privileges. The BBS has subdivisions of smaller sections called conferences. Select 'J' for 'Join a Conference' to see the different user groups. Select 'TIMEX' to get into the TIMEX Section. The mail you read there will only be from other TIMEX users. All SIGS share the same bulletins.

## ITEMS FOR SALE THROUGH THE CLUB

NAP\_Ware (Nazir A. Pashtoon's new endeavor) announces the availability of all Timex or QL PAL (Programmable Array Logic) chips. If interested, call him evenings on 708-439-1679.

## SPECIAL DEALS AND BUYS

So you like to fly? The 747 Flight Simulator for Spectrum by Derek Ashton of DACC sold over 40K copies in EUROPE. Requires Spectrum Emulator. At this time supplied on LarKen SSDD disk only for \$10 which goes to Derek Ashton, now working at MOTOROLA with Bob Swoger. Call in requests to Bob at W708-576-8068 H708-837-7957

## ARTICLES

In order to let the community know that there are plenty of active members out here in the mid-west, we wish to run articles on each of our members and let you know what sort of things they are using their Sinclair machines for. We will use RLEs to let you see their faces and maybe even their computer set-ups.

### MEET JEFF DECOURTNEY



Jeff DeCourtney joined CATUG in the Spring of 1994 while he lived in Elmhurst. In all that time he only missed one meeting! Though his interest at the time was in the ZX81/TS1000, a TS2068 was presented to him by the club.

His present main activity with the TS2068 is exploring every program he can get his hands on available on from tapes, magazines and books. Geometric and graphic displays are his present delight. As accessories became available Jeff improved his collection.

At this time Jeff uses a color monitor, G.E. data tape deck, original Sinclair joystick and TS2040 printer. Jeff has been unable to acquire a disk drive interface for his TS2068 so far



as he has relocated to Albuquerque, New Mexico.

When he locates a job there, he hopes to acquire a large printer with interface as well as a disk drive interface. We have yet to hear from him at his new location. An RLE of Jeff is in the Club BBS. Download JEFF.RLE

### **LIST! Are you LISTening?**

by  
Bob Swoger

In his June issue of QL Corner, Bob Gilder wrote about Ruth Fegley having "oxidation problems on the interface pins and by pressing the interface towards the QL body tends to remove the oxidation." He also said Bob Malloy four computers with the same symptoms - one or more of the socketed IC's had to be reseated into their respective sockets and the QL's then operated as they should. Also, the Keyboard 90 interface also had to be reseated into its respective socket.

Bob then stated "periodically, all plugged-in devices such as interfaces and IC's should be partially removed and then pushed back into their respective sockets for flawless computer operation without power on!"

Bob!, didn't you get to read NTN Volume 7 Number 5? It states "If you are having trouble with ICs in IC sockets, clean them with tuner cleaner if you wish. Then put some mineral oil in a saucer and dip the IC pins into the mineral oil before inserting the IC into the socket. The IC will go in so much easier!" Earlier in the article it said "Tuner cleaner just doesn't do the job because after the cleaning, no lubricant is left behind so corrosion will set in, not so with mineral oil. Oxygen can't get to the metal any more so

the electrical contact lasts for many years."

Those ICs and connectors should have been installed with high viscosity mineral oil (Squibb comes to mind), a laxative obtained at the corner drug store and applied with a tooth pick on the connector or by placing the ICs in a bowl with just a little mineral oil at the bottom as describe in the NTN7.5 issue. Someone at Motorola came to the realization that if mineral oil could keep people cleaned out that in might work on connectors and, I don't know why, but it did!

I'm afraid that Bob Malloy and Ruth Fegley will be back time and time again until mineral oil is used on those pins and connectors. I give you this information with 30 years experience at Motorola as we have used this trick to keep our connectors from going intermittent and there are no more intermittent connections here in CATUG country anymore!

**GET OUT THE MINERAL OIL!**

### **Saving TS2068 Programs**

by  
Bob Swoger

Marie Kendall asked how to completely save a TS2068 program. Some programs in to LogiCall collection of drives have such saves. VU-CALC, VU-FILE come to mind when one thinks of programs that has start up screens to contend with.

Let us take VU-CALC for example. What this program has to save all at one moment is the BASIC driver VUCALC.B1, the screen file vc.C\$ and the machine code program vc.C1. At the moment of the request to save the program, the BASIC driver and the machine code program are both in memory but the start-up screen is not!

It was decided that the easiest way to save the whole program when the user might have only one disk drive would be to have the user start the save with the original disk in the drive. The screen could then be bought into memory. Once that was accomplished, the user could put the destination disk into that same drive and complete the save routine with a simple press of the ENTER key. To save RAM space, it was decided that the save instructions would be placed in the manual and not in the program! (Sorry for that inconvenience, folks!) The following statement was put into the manual:

"Most users like to have a separate disk to store VU-CALC and VU-FILE data along with a copy of the application. Both of these drivers have a unique save routine which allows you to save the entire program to another disk. When you select the option to save the program, the save routine calls the screen code into RAM and, **WITHOUT TELLING YOU**, waits for you to press ENTER to proceed with the save. Before pressing ENTER you can put a new disk into the current drive, press ENTER and the entire program (driver, machine code file and screen file) will be **SAVED** on the new disk."

To permit the user to save this program to disk I had to set up a menu in BASIC to which the machine code program could be directed. With VU-CALC running and the menu bar at the top of the screen, #q is the way out to the SAVE menu. When the user selects the option to save the program, the user response directs the program pointer to line 9992. The SAVE routine looks something like this:

```
9992 RANDOMIZE USR 100: LOAD "v
c.C$"SCREEN: PAUSE 0: RANDOMIZE
USR 100: SAVE VUCALC.B1" LINE 1
: RANDOMIZE USR 100: SAVE "vc.C
$"SCREEN: RANDOMIZE USR 100: SA
VE "vc.C1" CODE 32768,1048
```

```
9998 RANDOMIZE USE 100: LOAD "L
.B1"
9999 SAVE VUCALC.B1" LINE 1: RA
NDOMIZE USR 100: LOAD "vc.C$"SC
REEN: SAVE "vc.C$"SCREEN: SAVE
"vc.C1"CODE 32768,1048
```

## ADS

-----  
To put an AD in the BBS and newsletter, upload a file with the filename.filetype:

FSxxx.ADS

where xxx is your initials.

!!! Our ADS are free !!!

Your ADS appear in FOUR different newsletters!

```
FOR SALE 950627
*****
TEKTRONIX 535A with calibrated
scope & Dual Trace 1A1 preamp
w/manual.....$99
North Hills Electric CS-120
Precision Current Source 1 ua
to 10 ma in 1 ua steps. Up to
2700VDC .....$25
Electronic Measurements Co.
Programmable power supply 0 -
50VDC 0 - 500ma Analog meters
.....$25
Electronic Measurements Co.
Regatron Programmable power
supply 0-600VDC 0-200ma Analog
meters .....$25
Heathkit IG-28 Color bar and
dot generator .....$15
All in good working condition
Hoffnan Estates (708)885-4337
```

```
WANTED 950724
*****
Cathy Barron needs good used
model Commadore 1571 disk drive
for Commadore 128 computer or a
new one if price is good.
Contact Bob Kirkpatrick WA9SLT
```

```
FOR SALE 950627
*****
1. HARDWARE: ZX-81 Computer,
TS-1000 Computer Case, ZX-16K
RAM (Qty 2), TS-1016 RAM Pack,
and TS-1000 Winky Board.
2. SOFTWARE ON CASSETTE:
Backgammon Frogger Word Sinc
States and Capitals
Total Triangles
Conversational Spanish
Conversational German
```

Conversational French  
3. SCHEMATICS: TS1000 Computer  
TS-1016 RAM Pack ZX-81 Computer  
and ZX-16K RAM Pack.

I would like to get \$20 for the  
entire package, but, any offer  
will be considered and probably  
taken! Either leave email or  
give me a call (708) 360-1549  
if you're interested.

Gary Lessenberry

FOR SALE: 950503  
\*\*\*\*\*  
Macintosh Software for sale:  
Think Pascal 4.0 ..... \$60  
DiskTop 4.5 ..... \$10  
Sensei Geometry ..... \$10  
Writer's Helper ..... \$5  
Destination Mars  
(Educational Game) ..... \$10  
Spectre VR  
(Networkable Tank warfare) \$10  
El Fish (Aquarium Graphics) \$10  
Tempo II (Macro Program) ... \$10  
Tempo EZ (Tempo II Lite) .... \$5  
Vantage  
(Text Processor Desk acsry) . \$5  
Contact: Doug Eaton 708-576-2116

FOR SALE 950501  
\*\*\*\*\*  
MS-DOS/Windows items. All  
items are in good working  
order and include manuals and  
disks.

Note: All disks and manuals are  
originals and not pirated.

Word Perfect 5.0 Terminal Plus  
Global Domination Space 1889  
Chess Master 4000 CA Realizer  
Timeworks publish-it  
Visual BASIC V1.0  
Visual BASIC/Norton prog. srs  
VB How-to vol. 1 & 2  
Learn Programming w/VB  
Programmers intro. to VB  
ST:TNG Screen Saver  
Sherlock Holmes detective  
Games Platinum f/Windows  
Untouchable /Windows anti-virus  
Fastback Express f/Windows  
Dark Queen Kryn Time 1990  
Almanac Populous  
QuickStart PC joystick  
SEGA Genesis w/ 5 games  
Windows resource kit  
Time Table of arts & entert.  
Time Works Multimedia Encyclop.  
MS-Publisher Dungeon Master

Conflict (War Game)  
Chess Master 2100  
Call: Carl Daugherty  
4630 Tacoma Avenue  
Lorain, OH 44055  
216-277-5881 w/Best offer

WANTED 950420  
\*\*\*\*\*  
LarKen Disk Drive Interface for  
the TS2068. Ferdinand Gunther  
1307 Shaw, Moses Lake WA 98837

FOR SALE 950125  
\*\*\*\*\*  
HARDWARE.....  
COCO3 512K W/KEYBOARD EXTENDER  
COCO3 128K BRAND NEW NEVER USED  
RS-232 DELUXE MODEM PACK W/CBL  
DUAL DISK DRIVES (5.25" & 3.5")  
W/DISK DC-7 CONTROLLER  
ADOS3 W/ORG. DISKS  
SEGEATE 40 MEG H.D. W/ BURKE &  
BURKE CONTROLLER (W/ CLOCK)  
CASSETTE CCR-81 W/ CABLE

ROM-PAKS. (UNLIKELY ANY MANUALS)  
.CHESS..RAD WARRIOR..TYPEMATE..  
.SPECTACULATOR..EDTASM+..TETRIS  
.SOKO-BAN..DOWNLAND...ROBOCOP..  
.SUPER PITFALL....DRAGON FIRE..  
.THEDXER(2).....MIND ROLL..  
.SPRINGER..CASTLE OF THAROGGAO

Deluxe JOYSTICKS (&SPARE PARTS)

HARDRIVE IS LOADED WITH MOST  
HARDRIVE SOFTWARE LISTED ABOVE,  
PLUS MOST 'MV' PATCHES APPLIED,  
CONTAINS 'SHELLPLUS', PLUS MANY  
DOWNLOADED SOFTWARE FROM  
DELPHI... I AM NOT SURE IF  
SELLING THE H.D. AS IS WOULD BE  
IN VIOLATION OF COPYRIGHT LAWS.  
IF SO, I WILL DELETE EVERYTHING  
EXCEPT THE OS9, MV AND BOOT  
SETUP.

SOFTWARE.....  
NOTE: THESE ARE ORIGINAL DISKS  
(SOME WITH MANUALS)

RS-DOS.....  
TCE PROOFREADER....KIDS ON KEYS  
TCE BUSINESS WRITER.....ADOS 3  
EXTENDED ADOS3.....COLORSCAN  
COCO MAC III W/COLOR DRIVER....  
WARRIOR KING.....MINE RESCUE  
SUPER TAPE/DISK TRANSFER..ROGUE  
PRINT SPOOLER / ROMCRACK ..BASH  
COLOR COMPUTER ARTIST..D.L.LOGO  
LEISURE SUIT LARRY...SUB BATTLE

GHANA BWANA...MICRO ILLUSTRATOR  
 SHAMUS..CRYSTAL CITY..KIDWRITER  
 ALPHABET ZOO.....GOLDFINDER  
 DESERT RIDER.....UTILITIES DISK  
 MONEYOPOLY.....CARMEN SANDIEAGO  
 RAINBOW INDEXES (4 DISKS)..Z-89  
 MICKEY'S SPACE ADV.....DISKMAX  
 FRACTION FEVER.....SEASTALKER  
 MARTYS NIGHTMARE..KINGQUEST III  
 DISK UTIL 2.1  
 T&D DISK #46  
 T&D DISK #50  
 T&D DISK #55  
 T&D DISK #56  
 T&D DISK #58  
 T&D DISK #4 UTILITIES

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OS9.....  
 OS9 LEVEL II.....SHELLMATE  
 LEVEL 2 TOOLS.....TOOLS 2  
 MULTI-VIEW.....DESKMATE 1  
 ZCLOCK..QUICKLETTER..ICON BASIC  
 KRONIS RIFT..CYBERVOICE...M-RAM  
 HYPER I/O.....COCO XT-RTC  
 DONALD DUCK PLAYGROUND...XT-ROM

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MISC.....  
 COCO MAX II (NOT WORKING?)  
 MISC. ISSUES OF RAINBOW FROM  
 1983 TO PRESENT - MISC RAINBOW  
 BOOKS (OS9 & RSDOS)

---

WILL SELL ALL AS A BUNCH OR  
 INDIVIDUALLY - - MAKE AN OFFER.  
 CASHIER'S CHECK ONLY.

---

LEAVE MAIL ON DELPHI (RCPOLK)  
 Email rcpolk@delphi.com .... or  
 richp@comm.mot.com THANK-YOUC

FOR SALE 950123  
 \*\*\*\*\*  
 Memotech 32K RAMPACK - great  
 shape used a couple times then  
 somehow my machine died - now  
 if you have a ZX81 or T/S-1000  
 that needs it ...  
 !!!!!!!!!!!!! ALSO !!!!!!!!!!!!!  
 MemoCalc Spreadsheet Pack Great  
 shape and sill works. Want a  
 spreadsheet that's instant on?  
 Memocalc is for you! It'll use  
 whatever RAMPACK you have. This  
 is a great pair of products!  
 They both come with the little  
 booklet they give you with it.  
 I would like \$15 each or \$25  
 for BOTH! What a deal! Shipping  
 included!  
 D.G.Smith, R.415 Stone St.,  
 Johnstown PA 15906-1609  
 (814)535-6998. Thank you ;>

FOR SALE 950123  
 \*\*\*\*\*  
 I also have a 'sort of' working  
 Atari 800XL with a DISK DRIVE!  
 The keyboard needs to be fixed  
 - when plugged in the computer  
 is dead and when you unplug it  
 it works (huh?) I've a small  
 quantity of disks for above  
 system and some parts that seem  
 to go with it - make a  
 reasonable offer above \$45 U-  
 FIX and save [or send it to Dan  
 Elliot and he'll fix it CHEAP!]  
 D.G.Smith, R.415 Stone St.,  
 Johnstown PA 15906-1609  
 (814)535-6998. Thank you ;>

FOR SALE 950123  
 \*\*\*\*\*  
 Tandy CoCol with Extended BASIC  
 and over 3 Dozen (Rainbow/Hot  
 Coco or whatever) mags and some  
 Disks with a disk interface  
 that plugs into the cartridge  
 slot. If have some tapes also  
 and manuals and other assorted  
 goodies. I'm looking for at  
 least \$80 for ALL - I even have  
 the color mouse and a hires  
 interface as well as a Videotex  
 cartridge.  
 D.G.Smith, R.415 Stone St.,  
 Johnstown PA 15906-1609  
 (814)535-6998. Thank you ;>

WANTED: 950123  
 \*\*\*\*\*  
 Any screen dumps, drivers, or  
 programs permitting the use of  
 Radio Shack CGP-115 Color  
 Graphic Printer (4-pen plotter)  
 with the T/S 2068. Tape, JLO,  
 or LarKen. ALSO: Looking for PC  
 Magazine, Volume 3 Number 23  
 Nov.27,1984?  
 D.G.Smith, R.415 Stone St.,  
 Johnstown PA 15906-1609  
 (814)535-6998. Thank you ;>

FOR SALE 950103  
 \*\*\*\*\*  
 PACKARD BELL 486 DX24 20M HD  
 3.5 FDD TAPE B/U 2X CDROM DRIVE  
 MSMONEY MSWORKS \$1000 OBO  
 DAVE 708-205-2843

FOR SALE 950103  
 \*\*\*\*  
 486SX 25MHZ PC 170M HD 14" .28  
 SVGA MONITOR 2M RAM 2400 MODEM  
 SOUND BLASTER MOUSE WINDOWS 3.1  
 DOS 6.2 3.5 & 5.25 FDD \$800  
 PAUL 708-830-5177

FOR SALE 941205  
 \*\*\*\*  
 NEC Laptop w/ext FDD & RAM  
 1S/1P port int MODEM built in  
 WORDSTAR Spreadsheet Telecom  
 S/W Lt wt - int monitor \$200  
 OBO 708-359-7293

FOR SALE 941205  
 \*\*\*\*  
 286AT 1MB RAM 30 MB HD 360K &  
 1.44 MEG FDDS MINI TOWER MODEM  
 MOUSE 2S/1P ports DOS 6.2 &  
 Windows 3.1 Lotus EGA \$450,  
 mono #/\$300 OBO 708-359-7293

FOR SALE 941205  
 \*\*\*\*  
 MAC Classic w/software w/Apple  
 dot matrix printer. \$550  
 David 708-381-6715

FOR SALE 941205  
 \*\*\*\*  
 Hygain TH3 Jr Tri-band Beam  
 w/balun & rotor exc condition  
 \$175 OBO Dave 708-991-6810

FOR SALE 941107  
 \*\*\*\*  
 Zenith Easy-PC 20 mg hard drive  
 B/W monitor 3 1/2" FDD easy to  
 use. \$200 OB. 708-228-1042

FOR SALE 941107  
 \*\*\*\*  
 IBM XT Turbo 20mg HD 512K RAM  
 VGA monitor w/Epson LQ-510 24  
 pin printer US Robotics extrnl  
 modem \$200 for all.  
 708-726-0650

FOR SALE 941107  
 \*\*\*\*  
 Atari 800 48K + BASIC cart.  
 FDD, interface module  
 printer modem color monitor  
 150+ game disks word processor  
 4 joy sticks \$85 OBO  
 Dan 708-359-7293

FOR SALE 941107  
 \*\*\*\*  
 IBM AT CLONE 40M HD mono VGA  
 640K mouse 2400B modem 287 C\P,  
 lots of s/w 360K & 1.4M FDD  
 & more  
 \$350 OBO Dan 708-359-7293

FOR SALE 941107  
 \*\*\*\*  
 IBM XT CLONE 20mg HD CGA mono  
 640K RAM 360K FFD lots of s/w  
 \$175 OBO Dan 708-359-7293

FOR SALE 94110  
 \*\*\*\*  
 MAC Powerbook 165c 4/80 4MB RAM  
 80 MB HD blt in 1.4M Superdrive  
 33 MHz 68030 Color 14.4 int fax  
 modem & software \$1400  
 708-582-0916

FOR SALE 940914  
 \*\*\*\*  
 NEC CD-ROM gen. ref. bundle  
 upgrade MAC version. Never used  
 Including 4 software discs,  
 disc house, install. disketts &  
 2 Koss SA/30 amp spkrs. Make  
 offer to Randy 708-468-1927

FOR SALE 940914  
 \*\*\*\*  
 New unopend fax/modem Practical  
 Peripherals 14400 v32bis with  
 lifetime warranty .....\$100  
 4-4mb memory chips, barely used  
 Priced at \$120 each or \$450 for  
 all four. Call 312-928-6847

FOR SALE 940914  
 \*\*\*\*  
 MAC Plus 1Mb/128K .....\$150  
 Image Writer II .....\$100  
 Robert 708-374-8612

FOR SALE 940914  
 \*\*\*\*  
 Compudine 386SX 16MHz, 5M RAM  
 60M HD doubled to 113M SugarVGA  
 3.5" HD sound blaster card, 2400  
 Baud int modem DOS 6.2 \$750 OBO  
 Dan or Teri 708-884-9035

FOR SALE 940914  
 \*\*\*\*  
 Super Nintendo game. Super Star  
 Wars - Like new in original box  
 & instructions .....\$25  
 Frank Cerny 447-6503

FOR SALE 940914  
 \*\*\*\*  
 YEASU FT101B w/Shure 44 deskmic  
 + finals. Excellent condition.  
 .....\$330 OBO  
 Mark after 6 pm 358-3388

FOR SALE 940914  
 \*\*\*\*\*  
 Computer XT 640Kb, 20meg HD,  
 1 FDD PMP screen, Ser&parallel  
 ports. Lots of useful s/w:  
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